

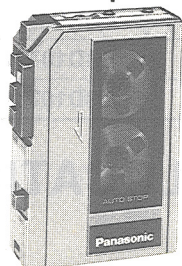
# Service Manual

AC/Battery Mini Cassette Recorder  
with Auto-Stop Mechanism

Mini Cassette

## RQ-342

(Brown)



Please use this manual together with the service manual for model No. RQ-342 (Original) order No. GAD84055421C3.

This is the Service Manual for the following areas.

**Z** ...For all European areas except United Kingdom.

**E** ...For United Kingdom.

### Specifications

Power requirement: AC; with optional Panasonic AC Adaptor RP-31

### PARTS COMPARISON TABLE:

Please revise the original parts list in the Service Manual (RQ-342) to conform to the changes shown herein. If new part numbers are shown, be sure to use them when ordering parts.

Ref. No.	Part Name & Description	Part Numbers		Remarks
		"Silver Type" (Original)	"Brown Type"	
M12-1	Stopper	—	QML4226	Added
M12-2	Stopper Pressure Spring	—	QBC1511	Added
M12-3	Stopper Spring	—	QBT2064	Added
M12-4	Washer 2φ	—	XUC2FT	Added
M20	FF Button Assembly	QXB0832	QXB0835	
M21	REW Button Assembly	QXB0833	QXB0836	
M22	Stop Button Assembly	QXB0834	QXB0837	
M27	FF/REW Lever Assembly	QML4166	QXL1755	
M56	Pause Rod Assembly	QXR1045	QXR1051	
M66	Supply Reel Table	QMG1451	QMB1451	
M67	Reel Table Gear-L	QDC1370	QDG1370	
M69	Back Tension Spring	—	QBC1478	Added
K1	Bottom Case	QKMA0116S	QKMA0116C	
K2	Battery Lid	QKFA4007S	QKFA4007C	
K3	Tapping Screw ⊕2.6×25 (Bottom Case M'tg)	XTN26 + 25B	XTN26 + 25BFZ	
K4	Main Case	QKMA0115S	QKMA0115C	
K5	Cassette Lid Assembly	QYFA0053S	QYFA0056C	
K17	Main Name Plate	QGSA0105	—	Deleted
A1	Demonstration Tape	QFTC07L003NZ	—	Deleted
A2	Handstrap Assembly	QYH0116H	QYH0116K	
A3	Instruction Book	QQT3692	QQT3711	
P1	Inner Carton	QPNA0198	QPNA0204	

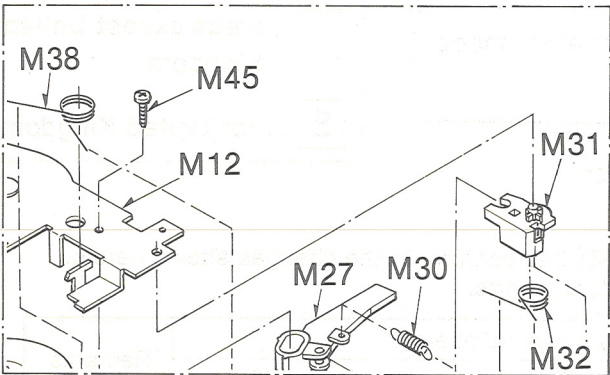
# Panasonic

Matsushita Electric Trading Co., Ltd.  
P.O. Box 288; Central Osaka Japan

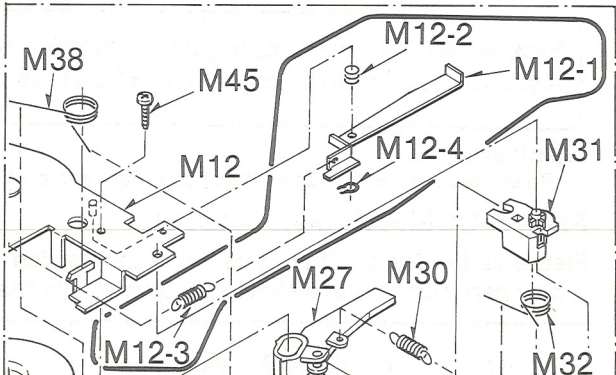


Ref. No.	Part Name & Description	Part Numbers		Remarks
		“Silver Type” (Original)	“Brown Type”	
C2	Capacitor	ECKD1H222ZF (2200PF)	ECFDD123MXL (0.012μF)	
C4	Capacitor	ECFDD472MXL	—	Deleted
C6	Capacitor	ECKD1H102ZF (1000PF)	ECKD1H222ZF (2200PF)	
C7	Capacitor	ECKD1H101KB (100PF)	ECKD1H271KB (270PF)	
C9	Capacitor	ECKD1H271KB (270PF)	ECKD1H561KB (560PF)	
R14	Resistor	ERD10TJ122 (1200Ω)	ERD10TJ222 (2200Ω)	
R16	Resistor	ERD10TJ561 (560Ω)	ERD10TJ222 (2200Ω)	

MECHANICAL PARTS LOCATION  
ADDITION

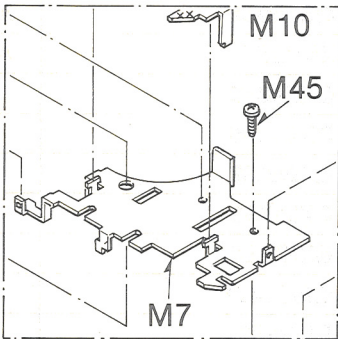


“Silver Type” (Original)

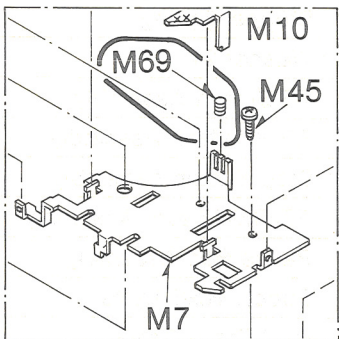


“Brown Type”

ADDITION



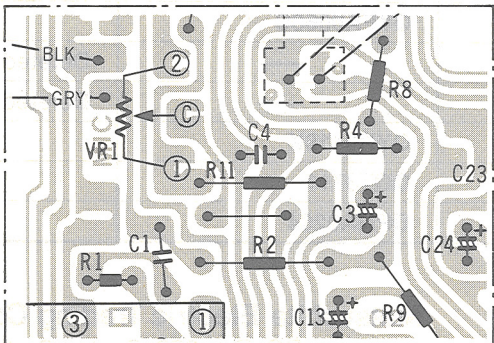
“Silver Type” (Original)



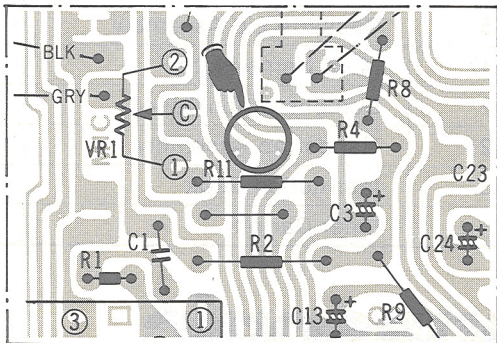
“Brown Type”

CIRCUIT BOARD AND  
WIRING CONNECTION DIAGRAM

DELETE



“Silver Type” (Original)

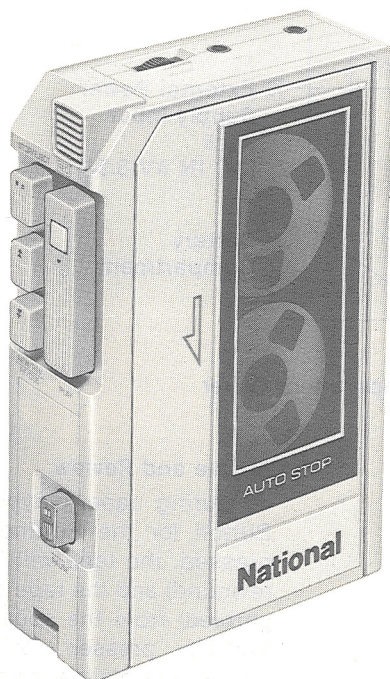


“Brown Type”

# Service Manual

AC/Battery Mini Cassette Recorder  
with Auto-Stop Mechanism

Mini Cassette  
**RQ-342**  
(Silver)



This is the Service Manual  
for the following areas.

☒ ...For Asia, Latin  
America, Middle  
East and Africa  
areas.

☐ ...For Australia.

## Specifications

Power requirement:	Battery; 3V (two UM-3, R6 size dry batteries) <input checked="" type="checkbox"/> ...AC; with optional AC adaptor RP-34
Motor:	Electric governor motor
Power output:	300mW...RMS (max.)
Frequency response:	200~7,000Hz
Tape speed:	4.8cm/s
Track system:	2-track monaural recording and playback
Fast forward and rewind time:	Approx. 145 seconds with C-60 cassette tape
Jacks:	Mic; sensitivity 0.25mV/applicable microphone impedance 200Ω~600Ω DC in; 3V Monitor; 8Ω
Speaker:	4.5cm PM dynamic speaker
Dimensions:	91.5mm(W)×135.5mm(H)×37mm(D)
Weight:	340g, without batteries

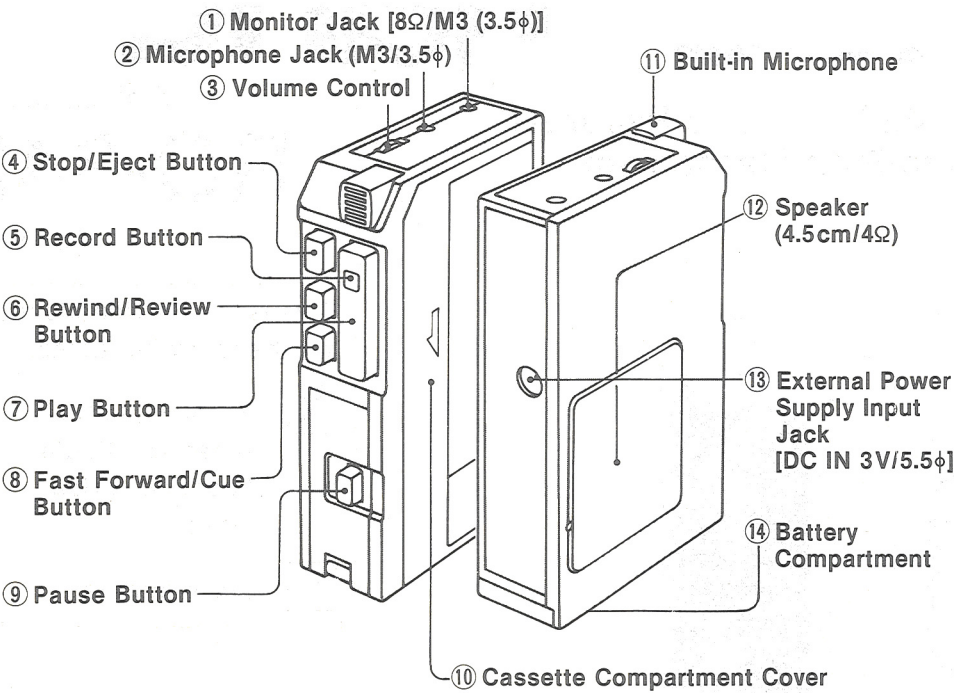
Design and specifications are subject to change without notice.

 **National**

**Matsushita Electric Trading Co., Ltd.**  
P.O. Box 288, Central Osaka Japan

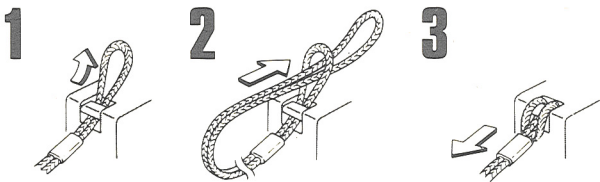


LOCATION OF CONTROLS AND COMPONENTS



• **Automatic Stop**  
When the tape comes to its end during playback (or recording), the tape stops moving automatically, the Play (and Record) Button returns to its original position, and the power source is turned off.

TO ATTACH HANDSTRAP



■ **Cue and Review**  
If, during tape playback, the Fast Forward/Cue Button (or the Rewind/Review Button) is partially pressed, the tape will be moved rapidly forward (or rewound) and the tape sound can be heard (although garbled) from the speaker as long as the button is partially pressed. When the button is pushed further, the playback sound may no longer be heard.

DISASSEMBLY INSTRUCTIONS

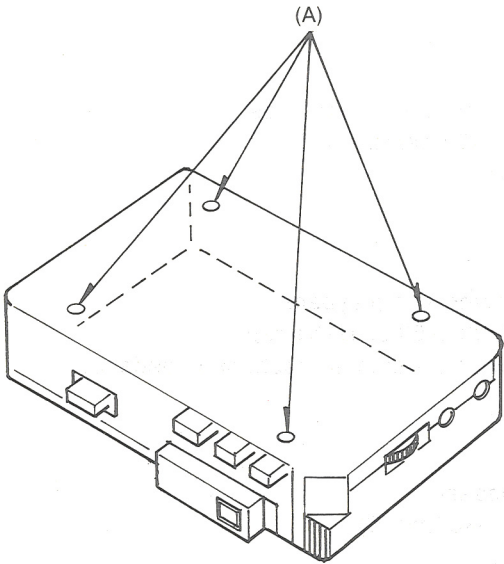


Fig. 1

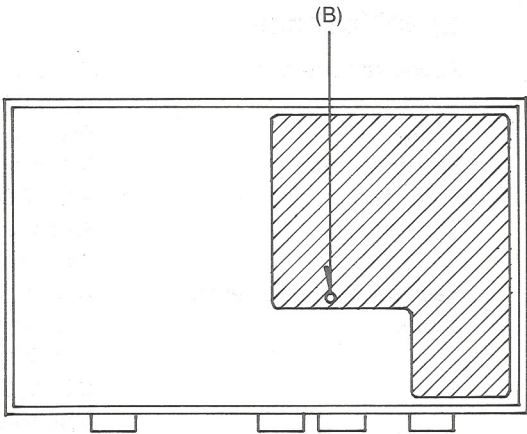
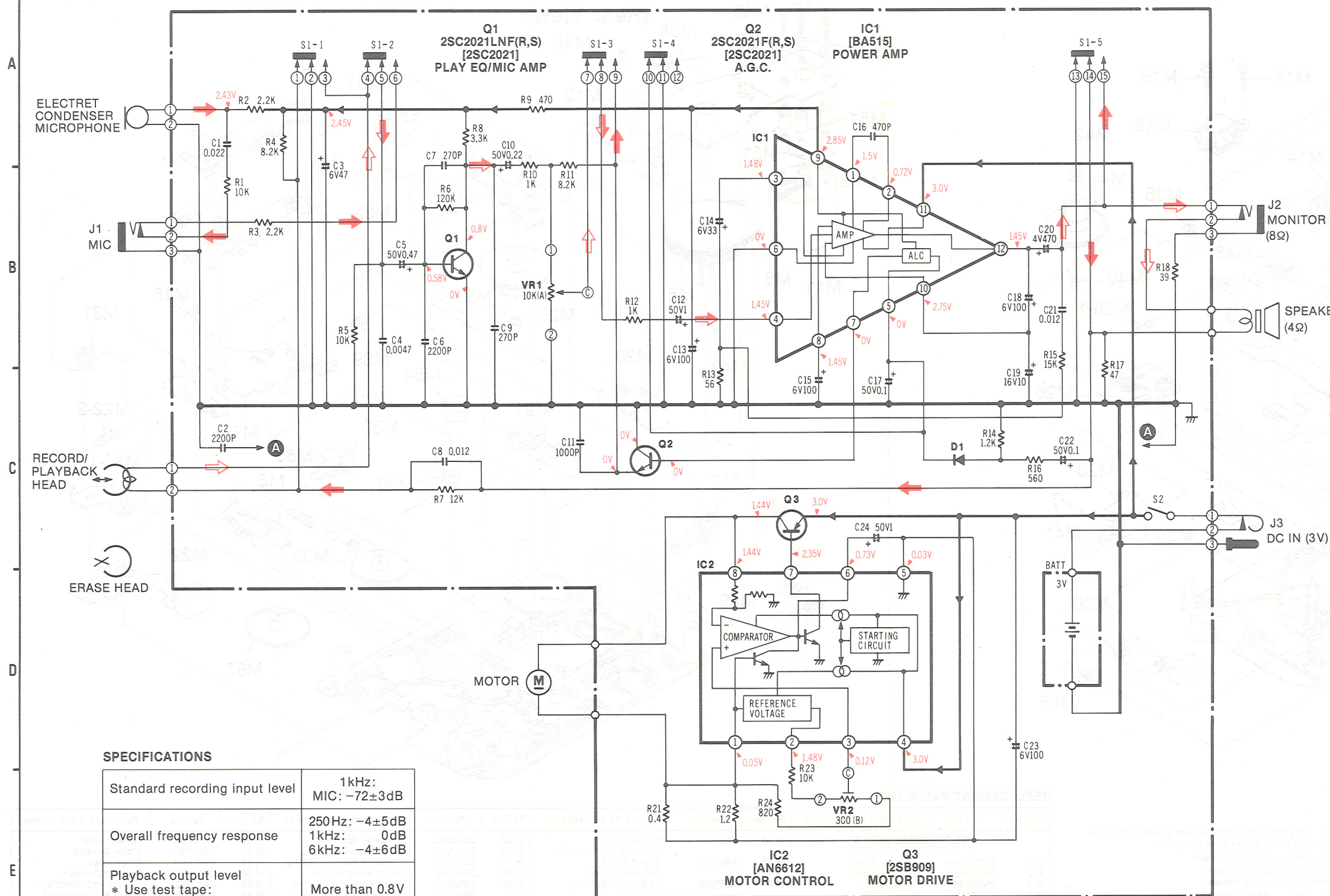


Fig. 2

Ref. No.	Procedure	Shown in Fig. —.	To remove —.	Remove —.
1	1	1	Bottom Case	4 screws (2.6×25) .....(A)
2	1~2	2	Main Circuit Board	Screw (2×4) .....(B)



## SCHEMATIC DIAGRAM



## SPECIFICATIONS

Standard recording input level	1kHz: MIC: $-72 \pm 3$ dB
Overall frequency response	250Hz: $-4 \pm 5$ dB 1kHz: 0dB 6kHz: $-4 \pm 6$ dB
Playback output level * Use test tape: ...QZZCFM (315Hz, 0dB)	More than 0.8V
<b>Notes:</b> 1. Cut the speaker lead wire. 2. Connect 4Ω instead of speaker.	

## NOTES:

- S1-1—S1-5 .....Record/playback select switch (shown in playback position).
- S2.....Power ON/OFF switch (shown in OFF position).
- VR1 .....Volume control.
- VR2 .....Tape speed adjustment VR.
- Resistance are in ohms ( $\Omega$ ), 1/4 watt unless specified otherwise. K = 1,000 $\Omega$ .
- Capacity are in microfarads ( $\mu$ F) unless specified otherwise. P = Pico-farads.
- All voltage value shown in circuitry are under no signal condition and playback mode with volume control at minimum position. For measurement, use VTVM.
- ( $\rightarrow$ ) this arrow indicates the flow of the playback signal.
- ( $\rightarrow$ ) this arrow indicates the flow of the recording signal.
- ( $\rightarrow$ ) this arrow indicates the flow of the playback and recording signal in combination.

- Described in the schematic diagram are two types of numbers; the supply parts number and production parts number for transistors and diodes. One type of number is used for supply parts number and production parts number when they are identical.

e.g. Q1

2SC2021LNF(R,S) — Production parts number  
or 2SD636H(R,S)  
[2SC2021LNF] — Supply parts number  
D2  
1SR35200 — Production parts number  
[SM112] — Supply parts number

- The supply parts number is described alone in the replacement parts list.

- This schematic diagram may be modified at any time with the development of new technology.

## Numbering System of Capacitor

Example	1H	102	Z	F
ECKD	Type	Value (1000pF)	Tolerance	Peculiarity
ECEA	50	M	R47	
Type	Voltage	Peculiarity	Value (0.47 $\mu$ F)	

Capacitor Type	Voltage		Tolerance
	ECEA Type	Others	
ECEA: Electrolytic	0J : 6.3V	2H : 500V DC	C : $\pm 0.25$ pF
ECCD: Ceramic	1A : 10V	1 : 100V	J : $\pm 5\%$
ECKD: Ceramic	1C : 16V	DKC : 400V AC	K : 10%
ECQM: Polystyrene	1E : 25V		Z : $\pm 80\%$ , $-20\%$
ECQP: Polypropylene	1H : 50V		P : $\pm 100\%$ , $-0\%$
ECET: Electrolytic	1V : 35V		
ECEA N: Non Polar	50 : 50V		
QCUD: Ceramic (Chip Type)	25 : 25V		
	16 : 16V		

## Numbering System of Resistor

Example	25	F	J	101
ERD	Type	Wattage	Shape	Value (100 $\Omega$ )
ERX	2	AN	J	2R2
Type	Wattage	Shape	Tolerance	Value (2.2 $\Omega$ )

Resistor Type	Wattage	Tolerance
ERD: Carbon	10 : 1/8W	J : $\pm 5\%$
ERO: Metal Film	12 : 1/2W	
ERX: Metal Film	25 : 1/4W	
ERQ: Fuse Type Metal	1 : 1W	
RRD: Carbon (Chip Type)	18 : 1/8W	

## REPLACEMENT PARTS LIST

Ref. No.	Part No.	Ref. No.	Part No.
<b>CAPACITORS</b>		<b>RESISTORS</b>	
C 1	ECFDD223MXL	R 1	ERD25FJ103
C 2	ECKD1H222ZF	R 2, 3	ERD25FJ222
C 3	ECEA1AS470	R 4	ERD10TJ822
C 4	ECFDD472MXL	R 5	ERD10TJ103
C 5	ECEA50ZR47	R 6	ERD10TJ124
C 6	ECKD1H102ZF	R 7	ERD10TJ123
C 7	ECKD1H101KB	R 8	ERD10TJ332
C 8	ECFDD123MXL	R 9	ERD25FJ471
C 9	ECKD1H271KB	R 10	ERD10TJ102
C 10	ECEA50ZR22	R 11	ERD25FJ822
C 11	ECKD1H102ZF	R 12	ERD25FJ102
C 12	ECEA50Z1	R 13	ERD10TJ560
C 13	ECEA1AS101	R 14	ERD10TJ122
C 14	ECEA1CS330	R 15	ERD10TJ153
C 15	ECEA1AS101	R 16	ERD10TJ561
C 16	ECKD1H471KB	R 17	ERD25FJ470
C 17	ECEA50ZR1	R 18	ERD25FJ390
C 18	ECEA1AS101	R 21	ERSB39JR40
C 19	ECEA1HS100	R 22	ERD25FJ1R2
C 20	ECEA0GU471	R 23	ERSB15J103
C 21	ECFDD123MXL	R 24	ERD25FJ821
C 22	ECEA50ZR1		
C 23	ECEA1AS101		

Ref. No.	Part No.	Part Name & Description
<b>INTEGRATED CIRCUITS</b>		
IC 1	BA515	Integrated Circuit
IC 2	AN6612	Integrated Circuit
<b>TRANSISTORS</b>		
Q 1, 2	2SC2021	Transistor
Q 3	2SB909	Transistor
<b>DIODE</b>		
D 1	MA161	Diode
<b>VARIABLE RESISTORS</b>		
VR 1	RVV1F1A14	Variable Resistor
VR 2	QVKN0AA00301	Variable Resistor
<b>SWITCHES</b>		
S 1	QSS6222	Slide Switch (Rec/Play Selector)
S 2	QSB0320	Leaf Switch (Play ON/OFF)
<b>JACKS</b>		
J 1, 2	QJA0303	M3 Jack (Mic/Monitor)
J 3	QJA0186	DC IN Jack

## CIRCUIT

ELECTRET  
CONDE  
MICRO

GRY BLK

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## TERMINA

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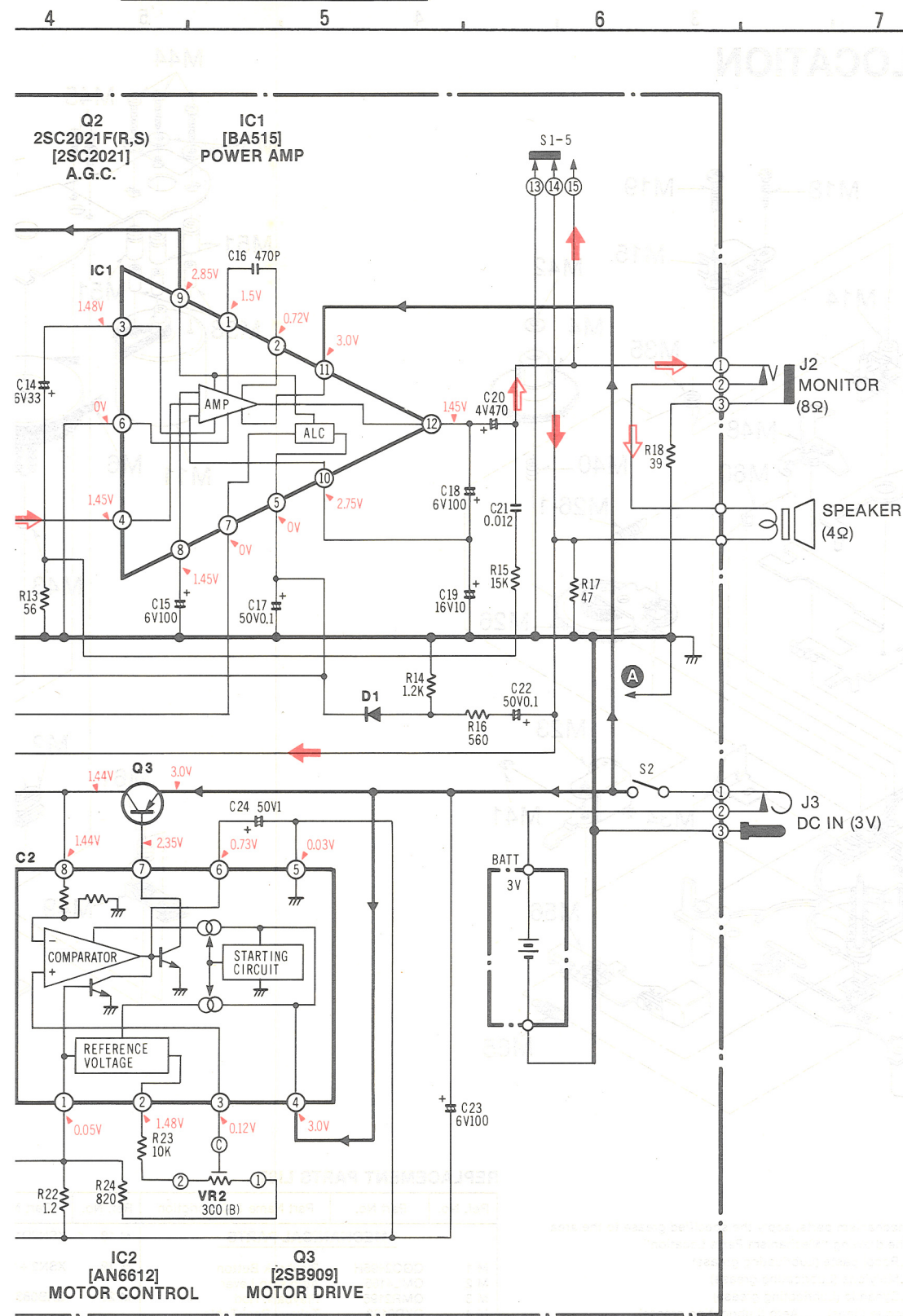
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NOTES:

- The circuit is shown in the back of the schematic diagram.
- All voltage values are for playback mode.
- For measurement, use VTVM.

- The circuit may be modified at any time with the development of new technology.





## Numbering System of Capacitor

Example

Type	1H	102	Z	F
ECKD	1H	102	Z	F
ECEA	50	M	R47	
Type	Voltage	Peculiarity	Value	Peculiarity

Capacitor Type	Voltage		Tolerance
	ECEA Type	Others	
ECEA: Electrolytic	0J : 6.3V	2H : 500V DC	C : ±0.25pF
ECCD: Ceramic	1A : 10V	1 : 100V	J : ±5%
ECKD: Ceramic	1C : 16V	DKC : 400V AC	K : 10%
ECQM: Polypolyester	1E : 25V		Z : +80%, -20%
ECOP: Polypropylene	1H : 50V		P : +100%, -0%
ECET: Electrolytic	1V : 35V		
ECEA N: Non Polar	50 : 50V		
Electrolytic	25 : 25V		
QCUC: Ceramic (Chip Type)	16 : 16V		

## Numbering System of Resistor

Example

ERD	25	F	J	101
Type	Wattage	Shape	Tolerance	Value (100Ω)

ERX	2	AN	J	2R2
Type	Wattage	Shape	Tolerance	Value (2.2Ω)

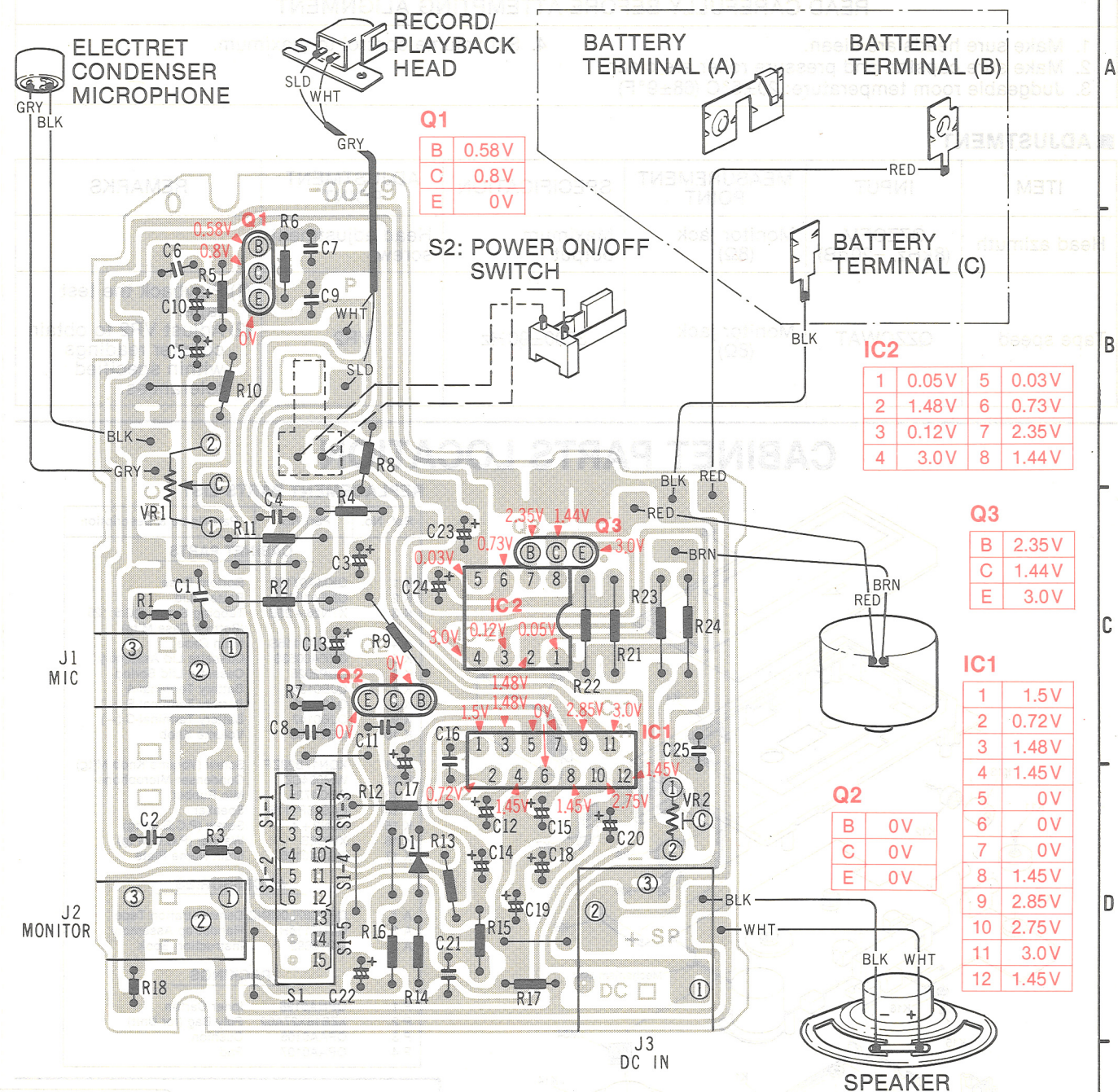
Resistor Type	Wattage	Tolerance
ERD: Carbon	10 : 1/8W	J : ±5%
ERO: Metal Film	12 : 1/2W	
ERX: Metal Film	25 : 1/4W	
ERQ: Fuse Type Metal	1 : 1W	
RRD: Carbon (Chip Type)	18 : 1/8W	

## REPLACEMENT PARTS LIST

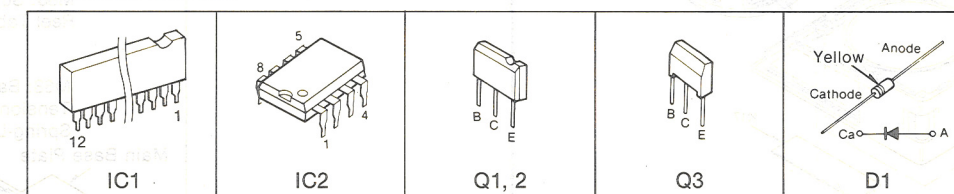
Ref. No.	Part No.	Ref. No.	Part No.
<b>CAPACITORS</b>		<b>RESISTORS</b>	
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C 2	ECKD1H222ZF	R 1	ERD25FJ103
C 3	ECEA1AS470	R 2, 3	ERD25FJ222
C 4	ECFDD472MXL	R 4	ERD10TJ822
C 5	ECEA50ZR47	R 5	ERD10TJ103
C 6	ECKD1H102ZF	R 6	ERD10TJ124
C 7	ECKD1H101KB	R 7	ERD10TJ123
C 8	ECFDD123MXL	R 8	ERD10TJ332
C 9	ECKD1H271KB	R 9	ERD25FJ471
C 10	ECEA50ZR22	R 10	ERD10TJ102
C 11	ECKD1H102ZF	R 11	ERD25FJ822
C 12	ECEA50Z1	R 12	ERD25FJ102
C 13	ECEA1AS101	R 13	ERD10TJ560
C 14	ECEA1CS330	R 14	ERD10TJ122
C 15	ECEA1AS101	R 15	ERD10TJ153
C 16	ECKD1H471KB	R 16	ERD10TJ561
C 17	ECEA50ZR1	R 17	ERD25FJ470
C 18	ECEA1AS101	R 18	ERD25FJ390
C 19	ECEA1HS100	R 21	ERSB39JR40
C 20	ECEA0GU471	R 22	ERD25FJ1R2
C 21	ECFDD123MXL	R 23	ERSB15J103
C 22	ECEA50ZR1	R 24	ERD25FJ821
C 23	ECEA1AS101		

Ref. No.	Part No.	Part Name & Description
<b>INTEGRATED CIRCUITS</b>		
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IC 2	AN6612	Integrated Circuit
<b>TRANSISTORS</b>		
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Q 3	2SB909	Transistor
<b>DIODE</b>		
D 1	MA161	Diode
<b>VARIABLE RESISTORS</b>		
VR 1	RVV1F1A14	Variable Resistor
VR 2	QVVK0AA00301	Variable Resistor
<b>SWITCHES</b>		
S 1	QSS6222	Slide Switch (Rec/Play Selector)
S 2	QSB0320	Leaf Switch (Play ON/OFF)
<b>JACKS</b>		
J 1, 2	QJA0303	M3 Jack (Mic/Monitor)
J 3	QJA0186	DC IN Jack

## CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



## TERMINATIONS



## NOTES:

- The circuit shown in [ ] on the conductor indicates printed circuit on the back side of the printed circuit-board.
- All voltage values shown in circuitry are under no signal condition and playback mode with volume control at minimum position.
- For measurement, use VTVM.

- The circuit board diagram may be modified at any time with the development of new technology.

## NOTES:

- BLK .....Black
- BLU .....Blue
- BRN .....Brown
- GRY .....Gray
- GRN .....Green
- L. BLU .....Light Blue
- NIL .....No Color Mark
- ORG .....Orange
- PNK .....Pink
- RED .....Red
- SLD .....Shield Wire
- VLT .....Violet
- WHT .....White
- YEL .....Yellow

ct switch (shown in playback position).  
h (shown in OFF position).

nt VR.  
unless specified otherwise.

is specified otherwise.

e under no signal condition and  
t minimum position.

of the playback signal.  
of the recording signal.  
of the playback and recording signal in

- Described in the schematic diagram are two types of numbers; the supply parts number and production parts number for transistors and diodes. One type of number is used for supply parts number and production parts number when they are identical.

e.g. Q1

(2SC2021LNF(R,S) — Production parts number  
or 2SD636H(R,S) — Supply parts number  
[2SC2021LNF] — Supply parts number

D2

(1SR35200 — Production parts number  
[SM112] — Supply parts number

- The supply parts number is described alone in the replacement parts list.

- This schematic diagram may be modified at any time with the development of new technology.



MEASUREMENTS AND ADJUSTMENTS

ALIGNMENT INSTRUCTION

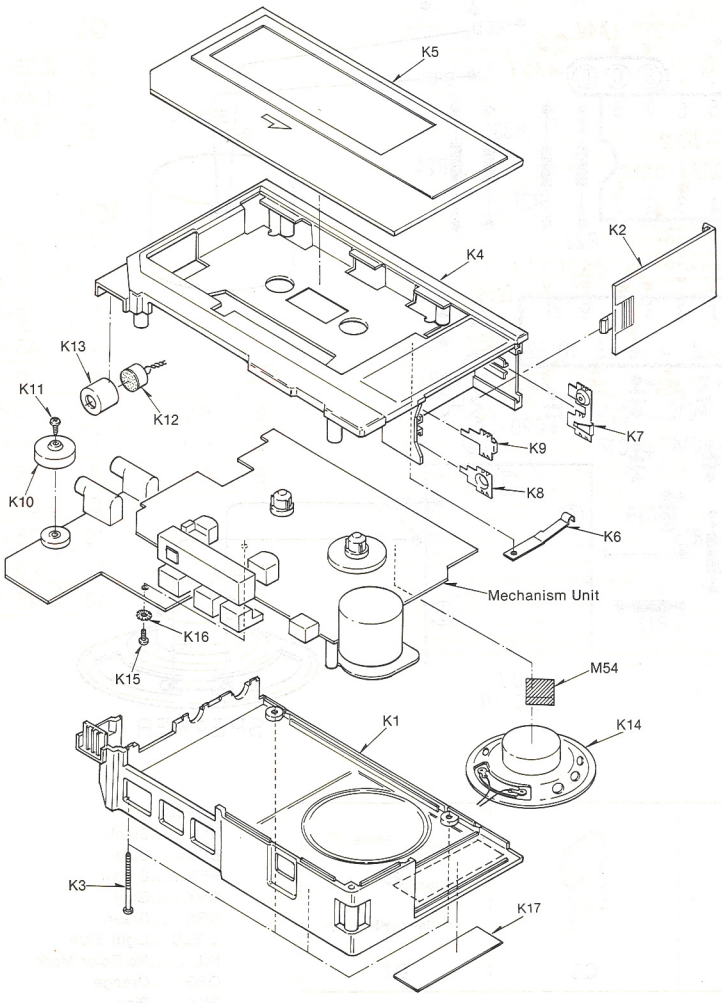
READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Make sure heads are clean.
2. Make sure capstan and pressure roller are clean.
3. Judgeable room temperature: 20±5°C (68±9°F)
4. Set volume control to maximum.

ADJUSTMENT

ITEM	INPUT	MEASUREMENT POINT	SPECIFICATION	ADJUSTMENT POINT	REMARKS
Head azimuth	QZZCFM (8kHz, -20dB)	Monitor jack (8Ω)	Maximum output	Head adjustment screw	
Tape speed	QZZCWAT	Monitor jack (8Ω)	3000±90 Hz	VR2	(1) Playback the test tape. (2) Adjust VR2 to obtain counter readings within specified tolerances.

CABINET PARTS LOCATION



REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description
CABINET PARTS		
K 1	QKMA0116S	Bottom Case
K 2	QKFA4007S	Battery Lid
K 3	XTN26 + 25B	Tapping Screw Φ2.6×25 (Bottom Case M'tg)
K 4	QKMA0115S	Main Case
K 5	QYFA0053S	Cassette Lid Assembly
K 6	QBP2028	Cassette Lid Spring
K 7	QJB0134	Battery Terminal-A
K 8	QJB0109	Battery Terminal-B (+)
K 9	QJB0147	Battery Terminal-C (-)
K 10	QGT1498	Volume Knob
K 11	XQN17B28ZF	Screw (Volume Knob M'tg)
K 12	WM034CZ	Condenser Microphone
K 13	QBG1725	Mic Rubber
K 14	EAS45P111S	Speaker
K 15	XSN2 + 4	Screw (P.C.B. M'tg)
K 16	XWC2B	Washer (P.C.B M'tg)
K 17	QGSA0105	Main Name Plate
ACCESSORIES		
A 1	QFTC07L003NZ	Demonstration Tape
A 2	QYH0116H	Handstrap Assembly
A 3	QQT3692	Instruction Book
PACKINGS		
P 1	QPNA0198	Inner Carton
P 2	XZB16X27A02	Poly Bag (for Unit)
P 3	QPAA0106	Cushion
P 4	QPAA0107	Pad

Service Notes for the Supply Reel Table (M67) and Reel Table Gear-L (M68)

The supply reel table and reel table gear-L sandwiches the main base plate as shown in Figure A. When replacing them, pull hard on the part(s) to be replaced. When assembling, refer to Figure A, and push the supply reel table and reel table gear-L with your fingers. Assemble so that the distance from the main base plate to the top of the supply reel table is 12.0mm when the supply reel table is lifted.

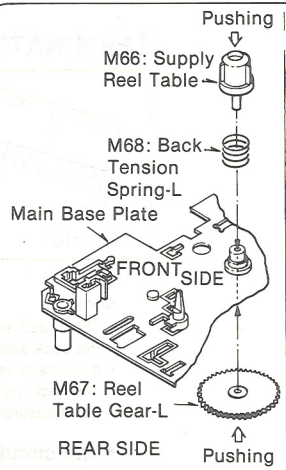


Fig. A

MECHANICAL PARTS LOCATION (Front View)

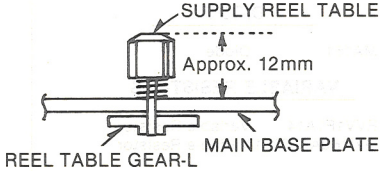
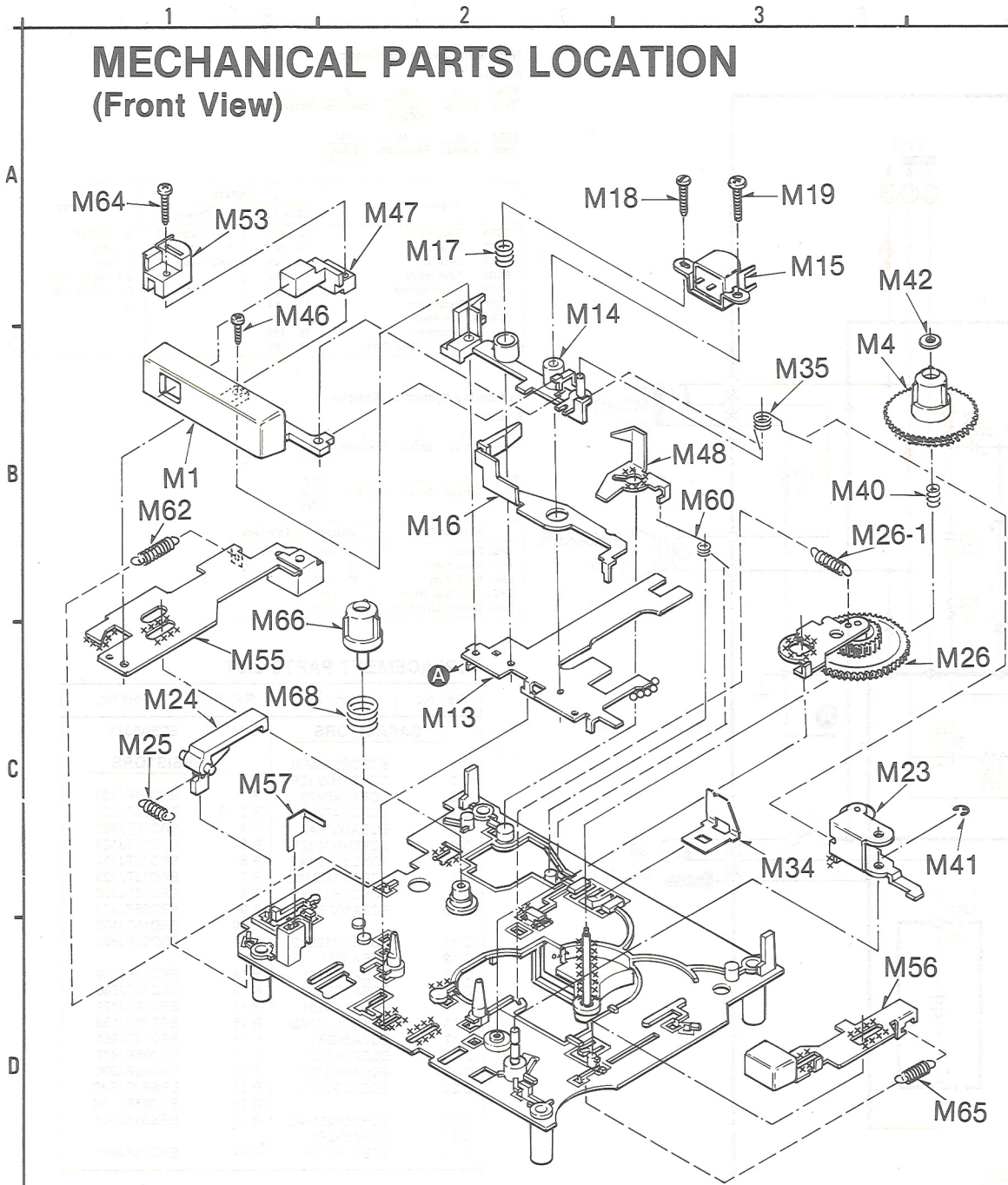


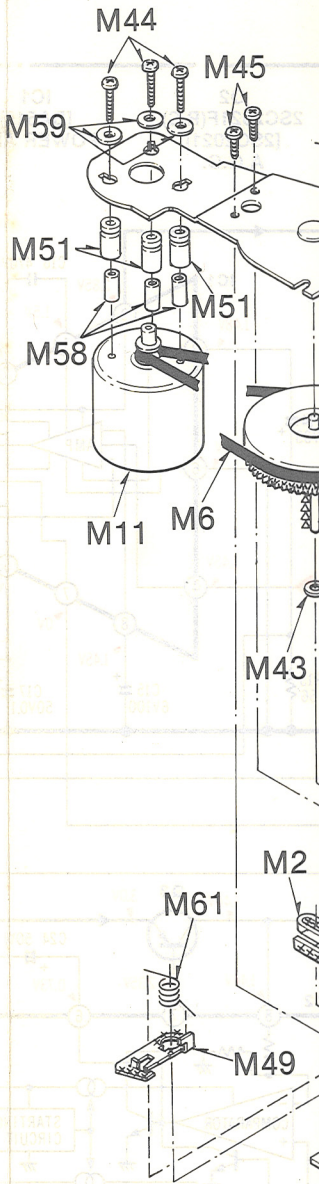
Fig. B

- NOTES:
- When changing mechanism parts, apply the specified grease to the area marked show in the drawing "Mechanism Parts Location"
- "x x" mark.....Rocol paste (Lubricating grease)
  - "OO" mark.....Molydne (Lubricating grease)
  - "ΔΔ" mark.....Dynamic (Lubricating grease)
  - "///" mark (Oblique Lines).....Aero (Lubricating grease)

SPECIFICATIONS

Pressure of pressure roller	240±50g
Takeup tension * Use cassette torque meter.....QZZRKCT	• Play: 35 ± 10 g-cm • FF/REW: 70 ± 20g-cm
Wow and flutter: (JIS) * Use test tape .....QZZCWAT	Less than 0.5% (RMS)

Mechanism Operation: Auto Stop

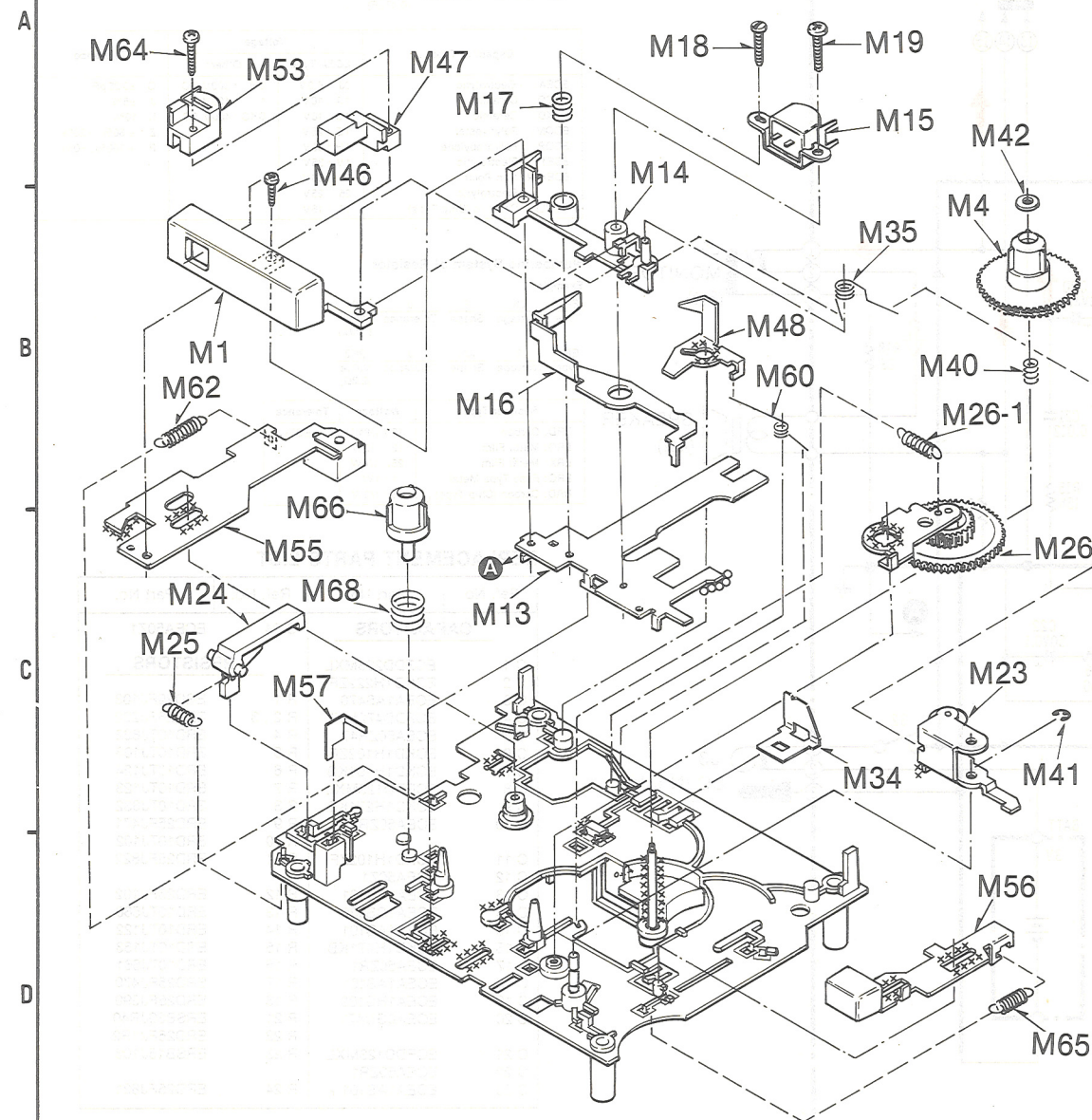


REPLACEMENT PARTS LIST

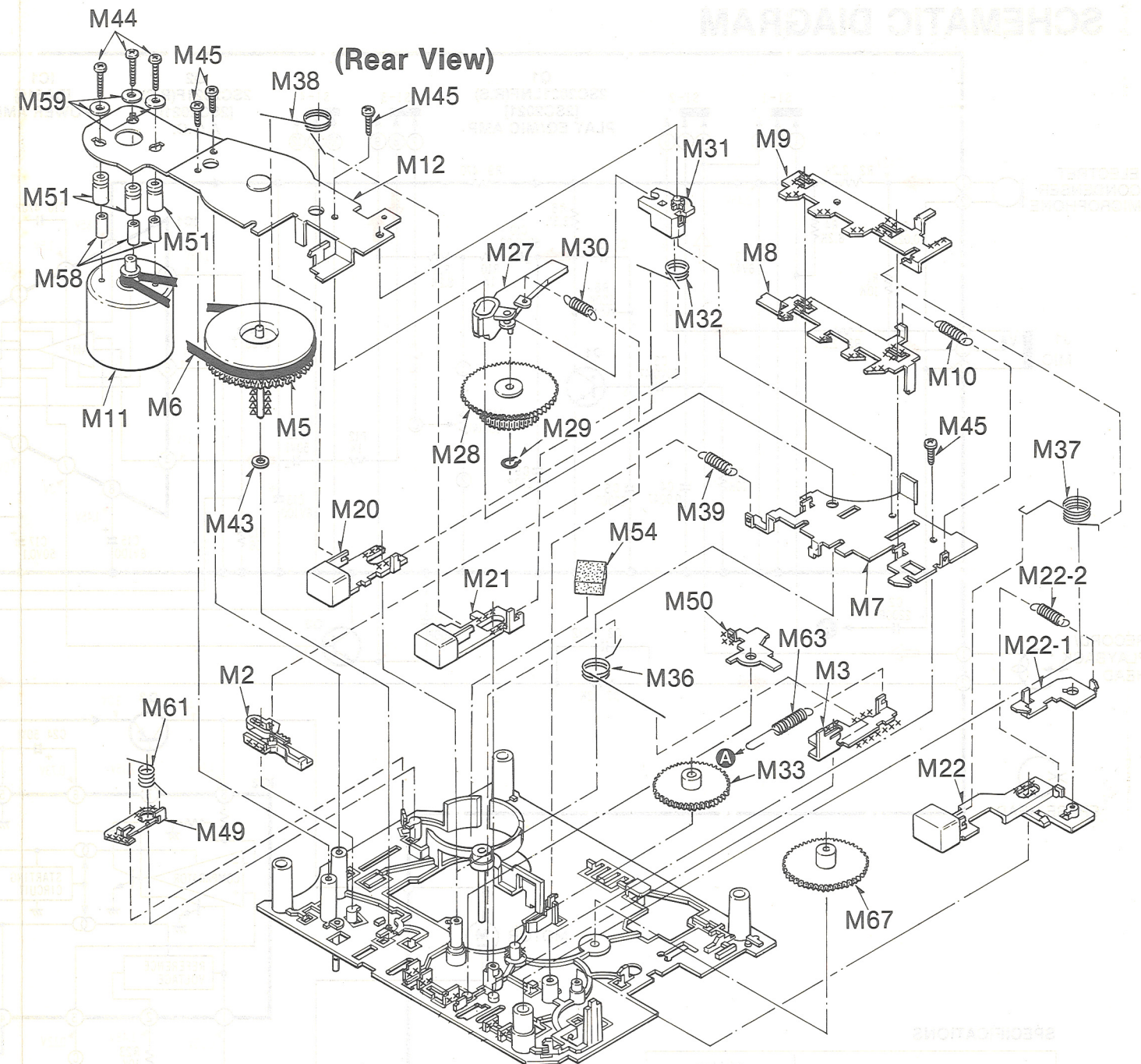
Ref. No.	Part No.	Part Name & Description	Ref. No.	Part
MECHANICAL PARTS				
M 1	QGO2495H	Playback Button	M 18	XSN2D
M 2	QML4165	Auto-stop Lever	M 19	XSN2 +
M 3	QMR2195	Playback Rod	M 20	QXB083
M 4	QXD0163	Takeup Reel Table Assembly	M 21	QXB083
M 5	QXF0248	Flywheel Assembly	M 22	QXB083
M 6	QDB0350	Flywheel Belt	M 22-1	QML411
M 7	QMK2170	Lower Base Plate	M 22-2	QBT205
M 8	QMR2196	Lock Plate	M 23	QXL176
M 9	QMR2197	Switch Rod	M 24	QML411
M 10	QBT2063	Lock Plate Spring	M 25	QBT206
			M 26	QXL176
M 11	QXU0376	Motor Assembly	M 26-1	QBT205
M 12	QXK2976	Flywheel Retainer Plate Assembly	M 27	QML411
M 13	QMK2173	Head Base Plate	M 28	QDG13
M 14	QGG0233	Head Base Plate Table	M 29	XUE25
M 15	QWY0160Y	Record/Playback Head	M 30	QBT206
M 16	QXL1770	Detection Lever Assembly	M 31	QML411
M 17	QBC1339	Head Adjustment Spring		



# MECHANICAL PARTS LOCATION (Front View)



## (Rear View)



## REPLACEMENT PARTS LIST

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
<b>MECHANICAL PARTS</b>											
M 1	QGO2495H	Playback Button	M 18	XSN2D10	Screw $\varnothing 2 \times 10$ (for Head Azimuth Adj.)	M 32	QBN2093	FF Lever Spring	M 50	QML4163	Review Lever
M 2	QML4165	Auto-stop Lever	M 19	XSN2 + 9	Screw $\varnothing 2 \times 9$ (R/P Head M'tg)	M 33	QDG1368	Intermediate Gear	M 51	QBG1762	Motor Cushion
M 3	QMR2195	Playback Rod	M 20	QXB0832	FF Button Assembly	M 34	QBP2031	Cassette Retainer Spring	M 53	QWY2141	Erase Head
M 4	QXD0163	Takeup Reel Table Assembly	M 21	QXB0833	REW Button Assembly	M 35	QBN2090	Pinch Roller Spring	M 54	QBMA0018	Speaker Cushion
M 5	QXF0248	Flywheel Assembly	M 22	QXB0834	Stop Button Assembly	M 36	QBN2092	Head Base Plate Spring	M 55	QXK2980	Record Rod Assembly
M 6	QDB0350	Flywheel Belt	M 22-1	QML4159	Eject Lever	M 37	QBN2094	Stop Button Spring	M 56	QXR1045	Pause Rod Assembly
M 7	QMK2170	Lower Base Plate	M 22-2	QBT2057	Eject Lever Spring	M 38	QBN2093	FF/REW Button Spring	M 57	QKJ0741	Erase Prevention Sheet
M 8	QMR2196	Lock Plate	M 23	QXL1765	Pinch Roller Assembly	M 39	QBT2058	Auto Lever Spring	M 58	QMC0157	Motor Collar
M 9	QMR2197	Switch Rod	M 24	QML4167	Cassette Up Lever	M 40	QBC1503	Back Tension Spring-R (Roller Lever)	M 59	XWE19D5	Washer (Motor M'tg)
M 10	QBT2063	Lock Plate Spring	M 25	QBT2060	Cassette Up Lever Spring	M 41	XUC15FT	Stop Ring 1.5 $\phi$ (Pinch Roller Lever)	M 60	QBN2091	Erase Safety Lever Spring
M 11	QXU0376	Motor Assembly	M 26	QXL1768	Takeup Reel Lever Assembly	M 42	QBW2030	Poly Washer (Takeup Reel Table M'tg)	M 61	QBN2100	Pause Lock Plate Spring
M 12	QXK2976	Flywheel Retainer Plate Assembly	M 26-1	QBT2059	Takeup Lever Spring	M 43	QBW2131	Poly Washer (for Flywheel)	M 62	QBT2056	Record Rod Spring
M 13	QMK2173	Head Base Plate	M 27	QML4166	FF/REW Lever	M 44	QHQ1358	Screw (Motor)	M 63	QBT2062	Playback Rod Spring
M 14	QGG0233	Head Base Plate Table	M 28	QDG1369	REW Gear	M 45	XTNQ16C4D	Tapping Screw $\varnothing 1.6 \times 4$	M 64	XSN2 + 9	Screw (Erase Head)
M 15	QWY0160Y	Record/Playback Head	M 29	XUE25	Stop Ring 2.5 $\phi$	M 46	XSN2 + 6	Screw (Playback Button)	M 65	QBT2055	Pause Rod Spring
M 16	QXL1770	Detection Lever Assembly	M 30	QBT2061	FF/REW Lever Spring	M 47	QGO2494	Record Button	M 66	QMG1451	Supply Reel Table
M 17	QBC1339	Head Adjustment Spring	M 31	QML4168	FF Lever	M 48	QML4158	Erase Safety Lever	M 67	QDC1370	Reel Table Gear-L
						M 49	QML3950	Pause Lock Plate	M 68	QBC1510	Back Tension Spring-L

### NOTES:

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- "x x" mark.....Rocol paste (Lubricating grease)
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### SPECIFICATIONS

Pressure of pressure roller	240 $\pm$ 50g
Takeup tension * Use cassette torque meter.....QZZRKCT	• Play: 35 $\pm$ 10 g-cm • FF/REW: 70 $\pm$ 20g-cm
Wow and flutter: (JIS) * Use test tape .....QZZCWAT	Less than 0.5% (RMS)

Mechanism Operation: Auto Stop

— 7 —

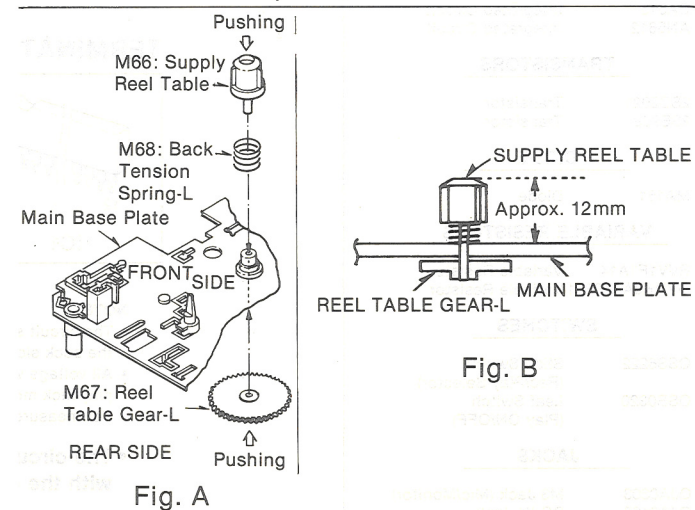
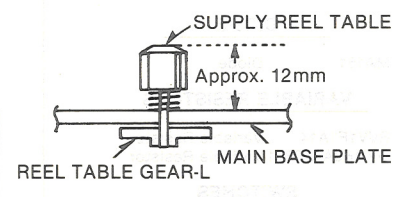


Fig. B









# Parts Change Notice

This is the Service Manual for the following areas.  
☒... For all European areas except United Kingdom.  
☐... For United Kingdom.

Model No. RQ - 342

Please revise the original parts list in the Service Manual to conform to the change(s) shown herein. If new part numbers are shown, be sure to use them when ordering parts.

(ORDER NO. GAD84065431A2 )

Reason for Change		*The circled item indicates the reason. If no marking, see the Notes in the bottom column.				
1. Improve performance						
2. Change of material or dimension						
3. To meet approved specification						
4. Standardization						
5. Addition						
6. Deletion						
⑦ Correction						
8. Other						
Interchangeability Code		**The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.				
Parts	Set Production					
A Original New	 Early Late	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.				
B Original New	 Early Late	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.				
C Original New	 Early Late	New parts only may be used in early or late production sets. Stock new parts.				
D Original New	 Early Late	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.				
E Other						
Part Number						
Model No.	Ref. No.	Original Part No.	New Part No.	Notes	Part Name & Description	Price
	M1	QG02495H	QG02495K	7	Playback Button	

File this Parts Change Notice with your copy of the Service Manual.

# Panasonic

Matsushita Electric Trading Co., Ltd.  
P.O. Box 288, Central Osaka Japan



# Service Manual

Mini Cassette  
**RQ-342**

**Supplement**

Please use this manual along with the original service manuals for the below models.

This is the Service Manual for the all areas.

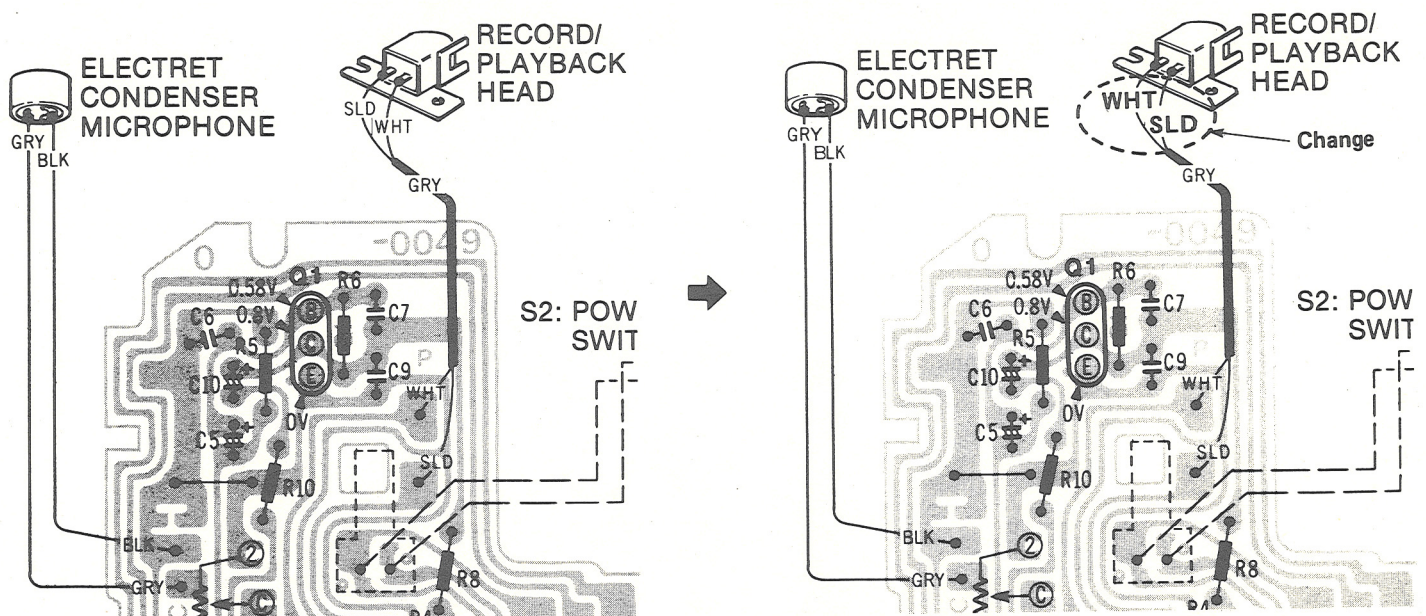
Model No.	Order No.
RQ-342	<b>M</b> C GAD84065432C1
RQ-342	<b>Z</b> E GAD84065431A2
RQ-342	<b>X</b> L GAD84055421C3

## PARTS COMPARISON TABLE:

Please revise the original parts list in the Service Manual to conform to the changes shown herein.  
If new part numbers are shown, be sure to use them when ordering parts.

Ref. No.	Description	Part Numbers		Remarks
		(Original) RQ-342	(Supplement) RQ-342	
M15	Record/Playback Head	QWY0160Y	RJH0C08WZ	Change

## CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



**National/Panasonic**

Matsushita Service Company  
50 Meadowland Parkway,  
Secaucus, New Jersey 07094

Panasonic Sales Company,  
Division of Matsushita Electric  
of Puerto Rico, Inc.  
Ave. 65 De Infanteria, KM 9.7  
Victoria Industrial Park  
Carolina, Puerto Rico 00630

Panasonic Hawaii Inc.  
91-238 Kauhii St. Ewa Beach  
P.O. Box 774  
Honolulu, Hawaii 96808-0774

Matsushita Electric  
of Canada Limited  
5770 Ambler Drive, Mississauga,  
Ontario, L4W 2T3

Matsushita Electric Trading Co., Ltd.  
P.O. Box 288, Central Osaka Japan

Y.Y Printed in Japan (N)



# Service Manual

Mini Cassette

RQ-342

**Supplement**

AC/Battery Mini Cassette Recorder  
with Auto-Stop Mechanism

Please use this manual along with the original service manuals for the below models.

Model No.	Order No.
RQ-342 <input type="checkbox"/> Z <input type="checkbox"/> E	GAD84065431A2
RQ-342 <input type="checkbox"/> X <input type="checkbox"/> L	GAD84065430A3/GAD84065421S3 (Supplement-1)

This is the Service Manual for the following areas.

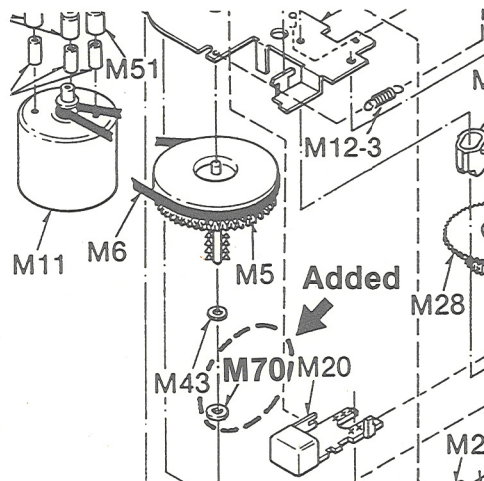
- ☐Z ... For all European areas except United Kingdom.
- ☐E ... For United Kingdom.
- ☐X ... For Asia, Latin America, Middle East and Africa areas.
- ☐L ... For Australia.

## ■ PARTS COMPARISON TABLE:

Please revise the original parts list in the Service Manual to conform to the changes shown herein.  
If new part numbers are shown, be sure to use them when ordering parts.

Ref. No.	Description	Part Numbers		Remarks
		RQ-342 (Original)	RQ-342 (Supplement)	
M21 (Brown Type)	REW Button Assembly	QXB0836	RFY540Z	
M70	Washer	—	RNWA0001Z	Added

## MECHANISM PARTS LOCATIONS



**National/Panasonic**

Matsushita Electric Trading Co., Ltd.  
P.O. Box 288, Central Osaka Japan

ASA ☐Z ☐E ☐X ☐L  
H.S.

Printed in Japan (H) (D)



# Service Manual

Mini Cassette  
**RQ-342**

**Supplement**

Please use this manual along with the original service manuals for the below models.

This is the Service Manual for the all areas.

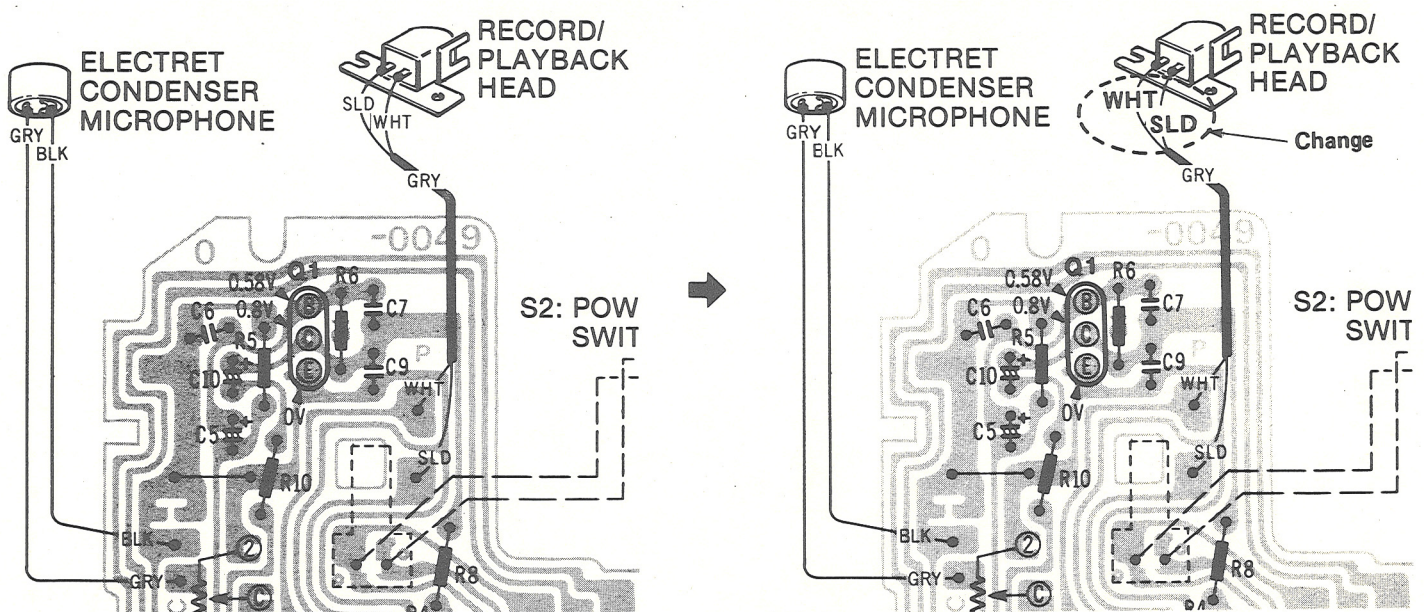
Model No.	Order No.
RQ-342	<b>M</b> C GAD84065432C1
RQ-342	<b>Z</b> E GAD84065431A2
RQ-342	<b>X</b> L GAD84055421C3

## PARTS COMPARISON TABLE:

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If new part numbers are shown, be sure to use them when ordering parts.

Ref. No.	Description	Part Numbers		Remarks
		(Original) RQ-342	(Supplement) RQ-342	
M15	Record/Playback Head	QWY0160Y	RJH0C08WZ	Change

## CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



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91-238 Kauhli St. Ewa Beach  
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Honolulu, Hawaii 96808-0774

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5770 Ambler Drive, Mississauga,  
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Matsushita Electric Trading Co., Ltd.  
P.O. Box 288, Central Osaka Japan

Y.Y Printed in Japan (N)